

031604  
R367Please type a plus sign (+) inside this box Approved for use through 10/31/2002 OMB 0651-0032  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

BP3274

First Inventor

Razieh (Rozi) Roufoogaran

Title RADIO FRONT END AND APPLICATIONS THEREOF

Express Mail Label No.

EV381323510US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents

1.  Fee Transmittal Form (e.g. PTO/SB/17)  
*(submit an original and a duplicate for fee processing)*
2.  Applicant claims small entity status.  
See 37 CFR 1.27.
3.  Specification [Total Pages 29]  
*(preferred arrangement set forth below)*
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R&D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings *(if filed)*
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4.  Drawing(s) (35 U.S.C. 113) [Total Pages 7]
5. Oath or Declaration [Total Pages 2]
  - a.  Newly executed (original or copy)
  - b.  Copy from a prior application (37 CFR 1.63 (d))  
*(for continuation/divisional with Box 18 completed)*
    - i.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6.  Application Data Sheet. See 37 CFR 1.76

**ADDRESS TO:**Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7.  CD-ROM or CD-R in duplicate, large table or Computer Program *(Appendix)*
8. Nucleotide and/or Amino Acid Sequence Submission *(if applicable, all necessary)*
  - a.  Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i.  CD-ROM or CD-R (2 copies); or
    - ii.  paper
  - c.  Statements verifying identity of above copies

6591 U.S. PTO  
10/802014**ACCOMPANYING APPLICATION PARTS**

9.  Assignment Papers (cover sheet & documents(s))
10.  37 CFR 3.73(b) Statement *(when there is an assignee)*  Power of Attorney
11.  English Translation Document *(if applicable)*
12.  Information Disclosure Statement (IDS)/PTO-1449
13.  Preliminary Amendment
14.  Return Receipt Postcard (MPEP 503) *(Should be specifically itemized)*
15.  Certified Copy of Priority Document(s) *(if foreign priority is claimed)*
16.  Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17.  Other: \_\_\_\_\_

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation     Divisional     Continuation-in-part (CIP)    of prior application No: \_\_\_\_\_

Prior application information: Examiner: Group Art Unit: \_\_\_\_\_

**For CONTINUATION OR DIVISIONAL APPS only:** The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

<input checked="" type="checkbox"/> Customer Number or Bar Code Label	34,399	Insert customer no. or attach bar code label here	or	<input type="checkbox"/> Correspondence address below
---	--------	---	----	---

Name	Timothy W. Markison			
Address	P.O. Box 160727			
City	Austin	State	TX	Zip Code
Country	USA	Telephone	(512) 342-0612	FAX

Name (Print/Type)	Timothy W. Markison	Registration No. (Atty/Agent)	33,534
Signature		Date	3/11/2004

SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

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PTO/SB/17 (11-00)

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16367 US PTO

# FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ ) \$1076.00

## Complete if Known

Application Number	
Filing Date	
First Named Inventor	Razieh (Rozi) Roufoogaran
Examiner Name	
Group Art Unit	
Atty Docket No.	BP3274

## METHOD OF PAYMENT

1.  The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number 50-2126  
 Deposit Account Name Garlick, Harrison & Markison, LLP

Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17  
 Applicant claims small entity status. See 37 CFR 1.27

2.  Payment Enclosed:

Check  Credit card  Money Order  Other

## FEE CALCULATION

## 1. BASIC FILING FEE

Fee Description	Fee Paid
Utility filing fee	770.00
Design filing fee	
Plant filing fee	
Reissue filing fee	
Provisional filing fee	
<b>SUBTOTAL(1)</b>	<b>(\$ ) \$770.00</b>

## 2. EXTRA CLAIM FEES

## Fee From Below

	Extra Claims	Fee Paid
Total Claims	30 -20** 10 X 18 =	180.00
Independent Claims	4 -3** 1 X 86 =	86.00
Multiple Dependent		

## Fee Description

Claims in excess of 20

Independent claims in excess of 3

\*\*Reissue independent claims over original patent

\*\*Reissue claims in excess of 20 and over original patent

**SUBTOTAL (2)****(\$ ) 266.00**

\*\*or number previously paid, if greater; For Reissues, see above

## 3.. ADDITIONAL FEES

## Fee Description

Surcharge-late filing fee or oath

Surcharge- late provisional filing fee or or cover sheet

## Non-english specifications

For filing a request for ex parte reexamination

Requesting publication of SIR prior to Examiner action

Requesting publication of SIR after Examiner action

Extension for reply within first month

Extension for reply within second month

Extension for reply within third month

Extension for reply within fourth month

Extension for reply within fifth month

## Notice of Appeal

Filing a brief in support of appeal

Request for oral hearing

Petition to institute a public use proceeding

Petition to revive - unavoidable

Petition to revive unintentional

Utility Issue Fee (or reissue)

Design Issue Fee

Plant Issue Fee

Petitions to the Commissioner

Processing fee under 37 CFR 1.17(q)

Submissions of Information Disclosure Stmt

Recording each patent assignment per property (times number of properties)

Filing a submission after final rejection (37 CFR 1.129(a))

For each additional invention to be examined (37 CFR 1.129(b))

Request for Continued Examination (RCE)

Request for expedited Examination of design application

Other fee (specify)

Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)**

\$40.00

\$40.00

## SUBMITTED BY

## Complete (if applicable)

Name (Print Type)	Timothy W. Markison	Registration No. (Attorney Agent)	33,534	Telephone	(512) 342-0612
Signature			Date	3/11/2004	

SEND TO: Assistant Commissioner for Patents, Washington, DC 20231



BP3274

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Irvine, California 92618

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Fax: 949-450-8710

May 20, 2003

To whom it may concern:

I, Henry Samueli, hereby authorize Dee Henderson, Intellectual Property Portfolio Manager, to execute documents relating to US and foreign patent and trademark matters on behalf of Broadcom Corporation and/or its subsidiaries.

A handwritten signature in black ink, appearing to read "Henry Samueli". The signature is fluid and cursive, with a distinct flourish at the end.

Henry Samueli, Ph.D.  
Chief Technical Officer and Co-Chairman